

In the claims:

Please amend the claims as shown:

1. (currently amended): A method for ~~transferring~~ the local delivery of a nucleic acid into to the nerve cells of a mammal, comprising a step of contacting the nerve cells with (a) a negative-sense RNA viral vector or (b) cells comprising said vector, wherein said negative-sense RNA virus belongs to the Paramyxoviridae family.
2. (original): A method of claim 1, wherein said nerve cells are central nervous system cells.
3. (original): A method of claim 2, wherein said central nervous system cells are ventricular ependymal cells.
4. (original): A method of claim 2, wherein said central nervous system cells are hippocampus cells.
5. (currently amended): ~~The~~ A method of claim 1, wherein nucleic acid contained in the negative-sense RNA viral vector comprises a foreign gene.
6. (original): A method of claim 5, further comprising transient expression of ~~allowing to transiently express~~ said foreign gene.
7. (cancelled)
8. (currently amended): A method of claim 75, wherein said gene encodes a protein that acts on the hypothalamic nuclei.
9. (currently amended): A method of claim 75, wherein said gene encodes a protein is capable of protecting the brain from ischemia.
10. (original): A method of claim 9, wherein said protein is neurotrophic factor.
11. (original): A method of claim 5, wherein said foreign gene is selected from the group consisting of FGF-1, FGF-2, FGF-5, NGF, CNTF, BDNF, GDNF, p35, CrmA, ILP, bc1-2 and ORF 150.
12. (withdrawn)
13. (withdrawn)
14. (cancelled)
15. (currently amended): A method of claim ~~141~~, where said virus belonging to the Paramyxoviridae family is Sendai virus.

16. A negative-sense RNA viral vector used for ~~transferring~~ the local delivery of a nucleic acid into to the nerve cells by the method of claim 1.